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Message Text

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E.O. 11652:GDS

TAGS: NATO, MPOL, ETEL

SUBJECT:US TYPE B ESTIMATE FOR SATCOM TAIL FACILITIES,
NORFOLK, VA

REF: USNATO 02813, DTG 171643Z MAR 78

1. THE FOLLOWING INFORMATION IS PROVIDED IN RESPONSE TO
REFTEL.

A. CONCEPT FOR ACCOMMODATING NATO REQUIREMENTS VIA SATCOM
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INTERCONNECT FACILITY IN NORFOLK AREA IS BASED ON USG
PROVIDING NATO WITH A PORTION OF PLANNED NAVY FACILITIES
BETWEEN NAVY BLDGS N14 (NORTHWEST) AND M-51 (NORFOLK) AND
ESTABLISHING NEW TAIL EXTENSIONS TO NATO L3 (NORTHWEST)
AND NH-95 (NORFOLK). TYPE B ESTIMATE TO NATO IS BASED ON
PRORATA SHARE OF COST OF COMMON FACILITIES BETWEEN M-14
AND M-51 AND 100 PERCENT OF COST FOR EXTENDING FACILITIES

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TO THE NATO BLDGS L3 AND NG-95. RELOCATING A PORTION OF THE COMMON FACILITIES; I.E., TD-1193 MULTIPLEXER AND KG-81 BULK ENCRYPTION EQUIPMENTS TO NATO BLDGS WOULD REQUIRE: (1) PROVIDING MORE SYSTEM CAPACITY TO NATO THAN THAT AGREED TO PREVIOUSLY, OR (2) WOULD RESULT IN INCREASED COST TO USG WHILE NOT IMPROVING SYSTEM EFFICIENCY. BASED ON ABOVE, DO NOT CONCUR WITH CONCLUSION REACHED PARA 2

REFTEL AND NO CHANGE TO COST SHARING CONCEPT USED TO DEVELOP TYPE B ESTIMATE IS RECOMMENDED.

B. PARA 3 REFTEL NOTED APPARENT DUPLICATION OF ANTENNA INSTALLATION COSTS. COSTS LISTED PG 25 (5.4.1.5, 5.4.2.6 AND 5.4.3.1) RELATE TO CIVIL WORKS EFFORT INVOLVED IN MECHANICAL LIFTING OF ANTENNAS AND ATTACHMENT TO TOWERS. PGS 22, 23 AND 24 (5.3.5.18, 5.3.6.16 AND 5.3.7.18) RELATE TO ELEC INSTALLATION EFFORT INVOLVED IN SUPERVISION OF MECH ATTACHMENT AND SUBSEQUENT PRECISE ANTENNA ALIGNMENT.

C. KG-81 BACKUP UNITS WERE INCLUDED AT EACH SITE BASED ON HIGH PRIORITY CKTS INVOLVED. BACKUP UNITS FOR TD-1193, AN/FCC-98 AND MICROWAVE RADIOS WERE NOT CONSIDERED NECESSARY DUE TO REDUNDANCY FEATURE OF THOSE EQUIPMENTS. BACKUP KG-81 AT EACH SITE COULD BE DELETED IF INCREASED CKT RELIABILITY RISK CAN BE TOLERATED.
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D. DOCUMENTATION COSTS FOR DRAMA WERE NOT INCLUDED SEPARATELY SINCE DOCUMENTATION IS ALREADY AVAILABLE AT NO ADDITIONAL COST EXCEPT FOR PRINTING, WHICH IS MINIMAL. DOCUMENTATION FOR AN/FAC-2 FIBER OPTICS, LIKEWISE, HAS ALREADY BEEN DEVELOPED UNDER PRIOR FIBER OPTICS PROJECT AND WILL BE AVAILABLE AT NORFOLK AT NO ADDITIONAL COST.

E. SPECIAL PURPOSE TEST EQUIPMENT FOR DRAMA IS INCLUDED IN DRAMA PROCUREMENT COST ESTIMATE CONTAINED IN TYPE B ESTIMATE. ALL GENERAL PURPOSE ELEC TEST EQUIPMENT (GPETE) WILL BE ON SITE UNDER EARLIER NORFOLK WIDEBAND LINK; SINCE NO NEW GPETE PROCUREMENT REQUIRED, COST WAS NOT INCLUDED IN ESTIMATE.

F. REPRESENTATION WILL BE PROVIDED FOR MEETINGS (PARA 7 REFTEL).

VANCE

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